

Spam, spam, spam, spam

CNS is planning to develop central spam and virus filters and calendaring services.

2

What happened to safer sex?

Sexually transmitted diseases are increasing at alarming rates, prompting public health workers to wonder if safer sex messages have lost their effectiveness.

3

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Sexually Transmitted Diseases (STDs)

Sexually transmitted diseases are very common. As many as one in five people may have an STD. While some people have no symptoms at all, others may experience pain, sores, or unusual discharge, many have no symptoms at all.

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www.alberta.ca/healthinfo

HIV/AIDS

UNIVERSITY OF ALBERTA

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A new spin on storytelling

Classic is set in the past, performed in the present

By Gilbert A. Bouchard

The University of Alberta's Studio Theatre is merging cutting-edge contemporary theatre and classic Victorian literature in its production of *The Mill on the Floss*.

"This is a postmodern and contemporary read of the novel where a group of actors are presenting the story right now in 2004 to whoever is in front of them," said *The Mill on the Floss* director Jan Selman, who is also the Chair of the U of A's Department of Drama.

This 1994 Helen Edmundson-penned adaptation of George Eliot's seminal 1860 novel runs until Feb. 15 at the Timms Centre for the Arts.

"The idea is to start in the here and now," Selman, said, noting that while the beloved novel is a classic, it is also deeply "bound in its own time" and presents a profoundly different society than our own.

Selman's conclusion: choices need to be made and myriad adaptations and productions could be mounted based on different aspects of the book.

"We asked ourselves what these young actors in their 20s would look around and find to tell a story about Victorian England. We're emphasizing that in the design and in the costumes, many of which could be right off of the rack," she said. The play's designers, she added, are riffing off of the contemporary design of today's downtown Edmonton rather than recreating a nostalgic faux-historic set piece.

"The idea again is to be in the now and be looking back at a memory (of Eliot's fictional past), but always be anchored in who we are."

Acknowledging the contemporary filter and working with it rather than against it also makes it easier to produce a complex work with a uniformly young cast, says Selman.

"It makes me wince sometimes when we don't acknowledge that they (the graduating class comprising the Studio Theatre company) are a young group.

"A while back I did a student production of *Les Belles-Soeurs* where I had the



Jordan Schartner, as a gypsy, gets a laugh at Maggie's expense (played here by Anne-Marie Felicitas) in the Studio Theatre production of *The Mill on the Floss*. The play runs on the Timms Centre stage until Feb. 15.

cast come in their contemporary clothing and had them slowly take over the bodies of these amazing women. This play creates the same kind of space for that in the adaptation," she said, noting that while the actors "take the moment to put on the costume and become the new character," she's making sure it's done in a way that is as fun as possible and "less solemn and slow" than it has been done in experimental plays in the past.

"It's not about us abandoning theatrical naturalism, but cutting across it and interrupting it. We're reminding audiences that they're seeing real people in quasi-real time."

For Selman, this approach reminds us that the heart of theatre isn't "about pretending" or mimicking reality slav-

ishly, "but about stories and storytelling" done in service of underlining the work's deeper themes.

In this case, the director wants to showcase the play's profound exploration of human nature and our relationship with the natural world. "We have to pay more attention to nature and our role in nature," she said.

One of the best examples of how the play is subverting traditional theatrical techniques is how it presents the primary character of Maggie.

The play uses three actresses – Anne-Marie Felicitas (as the youngest "wild child" Maggie), Lorianne Lomberdo (as the middle "pious" Maggie) and Shantelle Landry (as the oldest and most mature take on the same character) – to present

the various stages and ages (from nine to 20) of the plucky protagonist. Typical of the rest of the play's deconstructions, this layering process often takes place with all three actresses on stage at the same time and interacting with each other.

"The layers are right there in front of you and you're being very honest (to the material)," said Lomberdo.

"Unlike the novel, you can't follow the inner thoughts of Maggie, so it helps to have the other Maggies there on stage to voice them," added Felicitas.

The production features the performances of the graduating BFA Acting class of 2004 as well as a creative team of graduate student and faculty designers and continuing and graduating BFA Technical Theatre students. ■

Lee Global Education Fund created

\$500,000 gift to fund global education

By Phoebe Dey

A donation from the Clifford E. Lee Foundation will allow University of Alberta students and community members to learn and live abroad and support campus global education programming.

The \$500,000 gift will create the Lee Global Education Fund at the U of A, an endowment from which annual awards and programs will be funded.

"At this university we have had enormous support from the Clifford E. Lee Foundation over the years," U of A President Dr. Rod Fraser said during a ceremony to announce the donation. "To me, having a strong, vibrant international community at the University of Alberta is absolutely critical. We are absolutely focused...to ensure as many people as possible can have an international experience."

Lee Global Education Awards will be given to individuals or organizations, on and off campus, wanting to engage in global education activities, particularly experiential learning activities in countries in the southern hemisphere. These opportunities are generally non-credit and are often organized by non-governmental organizations (NGOs) such as the World University Services of Canada (WUSCO) and U of A campus organizations such as the Students' International Health Association (SIHA).

Global education focuses on issues such as human rights, the environment, human development, peace and security

from a social justice perspective. The goal of this kind of education is to empower individuals to understand and fill Canada's and their own role as global citizens.

"We were looking around and started to realize that what was missing was the chance to educate young Canadians in the growing issues of peace, security, human rights – there are so many facets," said Judith Padua, who is Lee's daughter and executive director of the Clifford E. Lee Foundation. "We stressed this fund also had to be accessible to the community NGOs as well, which emphasizes the partnership between the community and the university."

"This will be a small fund but we're hoping it will encourage others to become good global citizens and we're pleased it has found a good home."

The fund will be administered through University of Alberta International, which is embarking on a campaign to raise money to support study abroad for U of A students and bursaries for international students. "We know that any type of scholarship goes a long way in changing lives, changing perspectives and enhancing learning experiences," said Dr. Brian Stevenson, U of A associate vice-president (international).

The Lee gift will also support the university's annual International Week, a week of activities highlighting specific elements of international issues. ■



U of A President Dr. Rod Fraser and Judith Padua, daughter of Clifford E. Lee.

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CNS has eye on central spam, virus, calendar services

Single system would maintain standards, save time

By Richard Cairney

E-mail offering you black-market prices on the prescription drug Vicodin may be a nuisance. For most people, it's spam. But blocking all e-mails sent to the University of Alberta with the words 'Vicodin' or 'prescription drugs' in the subject line would cause huge problems for some. Students, faculty and staff in the Faculty of Pharmacy and Pharmaceutical Sciences, for example, might be missing out on important messages.

That's the problem when you try to filter out spam e-mails in an environment as diverse as the U of A – it's possible that everything from illegal trafficking of prescription drugs to purchasing university degrees online could be the subject of valid research.

That's one of the reasons why the university's Computing and Network Services (CNS) wants to talk to computer users across campus about services like spam and virus filtering and shared calendaring.

CNS director Marika Bourque said CNS wants to provide those services across campus but needs to know how they would best be delivered. "It isn't CNS providing a solution that everyone has to live with," she said. "It is us (CNS) responding to a need across the campus community. I think the improvement people will see is uniformity. For people who don't have spam filtering now, they would have that... and they wouldn't have to worry about upgrading their virus software – it would all be taken care of centrally."

"And we want to do it seamlessly," said Kevin Moodie, manager of communications services for CNS. "We're trying to figure out how to glue these services together so you don't have to worry about it."

As far as spam filtering goes, some commercially available software can do a good job. The trick is coming up with a

one-size-fits-all solution. "There is no perfect solution because spam is ever changing and detection methods are always trying to catch up," said Josh Ryder, CNS's computer security administrator.

Ryder said a pilot software package he has been using for several months now has about a 98-per-cent success rate in weeding out spam. "That rate is about right, because if you go any higher than that, suddenly the number of 'false positives' goes through the roof and legitimate e-mails are being deleted."

The e-mail system Ryder uses has a separate mail box for correspondence deemed to be spam. "Out of 418 messages in that folder, one of them was legitimate," he said. "We'd like to be able to provide that level of service for everybody, if they want it. Some people already have a system they are happy with, and other people don't have as big a spam problem as others."

When it comes to filtering out viruses, Bourque says the present system, in which local area administrators take care of their own networks, remains costly according to CNS standards.

"An anti-virus program can cost up to \$30 per user," she said. "When you add that up, along with the costs of the person's time maintaining the system and troubleshooting, you are looking at a fair amount of money."

Steps taken last year to protect campus computers from viruses have worked. Ryder says networks that CNS once received frequent complaints about are now running smoothly since firewalls were put in place last year.

But that can be improved upon. Providing virus scans centrally would reduce the amount of time local system administrators spend dealing with viruses and allow them to spend their time more efficiently, Bourque said.

"And at the same time, everyone would get a certain level of service."

A CNS website (www.ualberta.ca/cns/cmct) has been set up to provide information and solicit suggestions. Members of the campus community can also contact Stephen Thornton at 492-9366 or via e-mail at stephen.thornton@ualberta.ca. ■

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Repackaging safe sex

Public health messages of the 1980s are now falling on deaf ears

By Gene Kosowan

It's a story that is all too often being told in clinics across the province.

On any given day, physicians get a tearful earful from men and women who doffed their clothes and sensibilities in the throes of passion one night, only to discover that they have caught a sexually transmitted infection in the process. From the sobbing confessions of women who admit that they didn't use condoms during a steamy encounter to the shocked reactions from men who find out that they contracted a virus after an impulsive roll in the sheets with an anonymous partner, the news they receive in the examination room is painful indeed.

More than ever, young people caught up in the heat of the moment are increasingly at risk of facing the burning consequences of their actions. Despite safer sex campaigns encouraging the use of condoms and cautioning people on the dangers of sexually transmitted diseases, experts at the University of Alberta are concerned that the message is not getting through.

"People don't realize that STDs are as common as they are," said Judy Hancock, health education co-ordinator at the University Health Centre on campus.

"If you were looking around the population here, you can't tell who those people are and you would have no reason to think that STDs are common."

Hancock estimates that up to 7,500 students, roughly one-quarter of the University of Alberta's population, have some form of sexually transmitted infection. That's no surprise, considering the vast majority of people who contract such an infection are in the high-risk age demographic of 18-25 years of age.

Statistics released last September by the health surveillance department of Alberta Health and Wellness are just as alarming. The findings reported 11,172 cases of sexually transmitted disease per 100,000 people in the province. Given the fact that Alberta's population stands at roughly 3 million, that means more than 330,000 people reportedly have a sexually transmitted disease. Prominent in the results are gonorrhea (981 cases per 100,000), syphilis (567 cases per 100,000) and chlamydia (7,352 cases per 100,000).

The report did not take into account cases of herpes and the human papilloma virus (HPV) which are running rampant among young people, according to Dr. Barbara Romanowski, a professor of infectious disease.

"We don't have provincial statistics, but we know from other studies that we've done that they are more common than other infections," Romanowski said. "The problem with these infections is that only a small proportion are notifiable and therefore only a small proportion of diseases we have accurate information on."

Also absent from the report were cases of AIDS and HIV. According to *Canada's Report on HIV/AIDS 2003 - Looking Forward: Focussing the Response*, a study released by the federal government last December, roughly 56,000 Canadians live with the affliction, an increase of 12 per cent from 1999.

Romanowski believes complacency, especially among the 18-25 age group,



Sexually transmitted diseases are being spread at an alarming rate, leading some to suggest that 'condom fatigue' has made safer sex messages uninteresting to young adults.

where sexual activity is at its highest, is one of the biggest reasons for the rise in sexually transmitted infections. Unlike previous generations which responded to the hysteria surrounding the outbreak of AIDS in the 1980s by adopting safer sex methods, the current demographic has not been as proactive.

"Certain individuals were very frightened in the '80s when HIV first appeared," said Romanowski. "HIV has now been around for 23 years. There is no cure, but there certainly are treatments. But people have forgotten that safer sex is important. One for HIV, because if you get it, there's still a good chance you're going to become very ill from it, and two, you're at great risk for other sexually transmitted diseases or infections. Also, there's a population that was exposed to those safer sex methods of the '80s, but the adolescents didn't hear those messages."

Hancock believes the complacency is due in part to "condom fatigue," in which younger audiences have grown tired of safer sex messages being shoved down their throats, and recent developments in treating STDs have created false perceptions that unprotected sex is not as risky as it was during the '80s.

"People are getting sick and tired of hearing it," said Hancock.

"My generation has seen the emergence of HIV and it came as a shock to us but this generation has never known a time when AIDS wasn't around. They've been hearing vague messages about safer sex all their

"My generation has seen the emergence of HIV and it came as a shock to us but this generation has never known a time when AIDS wasn't around. They've been hearing vague messages about safer sex all their lives and they're sick and tired of hearing about it. A lot of people perceive either there's now a cure for HIV, which there isn't, or that these new drugs mean that HIV is no big deal."

— Judy Hancock

include multiple and anonymous partners.

Because of these changes in attitudes and behaviour, many diseases which were almost wiped out 20 years ago are making a comeback. Health Canada reported last year that gonorrhea, which almost went the way of disco two decades ago, has enjoyed a rapid increase of more than 40 per cent over the past five years, to nearly 3,600 cases per 100,000 last year. Less common are cases of syphilis, which has soared from 181 cases per 100,000 in Canada in 2002 to 362 cases per 100,000 in 2003.

Sadly, none of these cases would have existed if people had taken safeguards, said Romanowski.

"The message, running the risk of sounding boring, is that all these diseases are preventable," she said. "There are simple precautions that people can take to keep themselves healthy and still express their sexuality." ■

VACCINE STUDY NEEDS SUBJECTS

HERPES, HPV TREATMENTS INVESTIGATED

The Infectious Diseases Division at the University of Alberta is looking for subjects to take part in two research studies over the next four months designed to examine treatments for sexually transmitted infections.

For one study, the division wants to recruit up to 20 male and female students who may have experienced four or more outbreaks of herpes around the mouth within the past year. Selected participants will be provided with a treatment for the cold sores and will be monitored on the effects of the remedy.

The division is also asking University of Alberta staff with adolescent girls to participate in another study examining the effects of vaccines designed to prevent the transmission of genital herpes and papilloma viruses. Female subjects between the ages of 14 and 18 will participate in the inoculation program involving two vaccinations, including a herpes medication that the division has been researching for the past five years. No limit has been set on the number of participants required for this program.

For more information, or to take part in any of the studies, call Dr. Barbara Romanowski at 436-4900.

Speaker faults fellow Muslims for not questioning their faith

Irshad Manji wants to see a reformation of her faith

By Craig Elliott

Since her book *The Trouble With Islam* was published last year, there has been a lot of nasty talk about Irshad Manji.

She's been called everything from "the Lisa Simpson of Islam" to a "Muslim self-hater". A lesbian, she has been on the receiving end of death threats and all manner of verbal assaults besides, some of them sexually explicit; some she doesn't understand. "I wonder how any pious Muslim would," she said of the insults.

The author and activist was on campus Jan. 29 as the latest guest in the U of A's Revolutionary Speakers series. Coming across as downright affable for a revolutionary, Manji made sure to first thank her hosts for the hot bowl of soup with which they greeted her at the airport, then complimented the crowd for braving harsh weather in venturing out to see her.

She wasted no more time than that, however, in getting to the major point she is trying to make with her book – that her beloved religion, as it exists today, suffers from a terrible supremacy complex and is in dire need of reform.

Manji's considerable work in television (she hosts a weekly show) has prepared her well for public speaking. Beginning with an anecdote about a 14-year-old girl who was unhappy with the suggestion that there was any "trouble" with Islam, Manji grinned broadly as she recounted her involuntary "graduation", at about the same age, from Muslim school, after having plagued her teacher with questions about inconsistencies within the Qu'ran and demands for proof of his oft-claimed Jewish conspiracy against Muslims.



Irshad Manji says Muslims need the strength to question the way their faith is being practiced.

"We're still hashing out our differences," Manji quipped about her ongoing exchange with her own adolescent interlocutor.

After listing off only a few examples of the human rights abuses perpetrated against women and minorities in Muslim countries, "often with Allah's name on

the lips of those committing them," Manji asserted that the trouble was greater than that; it involved the mainstreaming of literalism when it comes to Islam. "Everyone's got it, to a degree," she said, unable to resist a poke at U.S. president George W. Bush, "but only in Islam today is literalism

mainstream. The Qu'ran is perfect. It is the word of God and that is that."

Making it worse still, she said, even the formally educated don't know how to debate or ask questions anymore, as though somehow someone as great as Allah could not withstand the force of an inquisitive mind. She faults the extremists for their extremism, but she faults liberal Muslims for their unwillingness to adequately rise to such a challenge.

Maintaining that it was not always this way with Islam, Manji briefly touched on the Muslim city of Cordoba, Spain, which at one time had 70 libraries. "That's a library for every virgin promised in heaven to today's martyrs," she half-joked, as she proposed "Operation Ijtihad", a rediscovery of Islam's lost tradition of independent thinking, and an investment in Muslim women's entrepreneurial talents, in order to enable them to earn their own wealth and gain authority over themselves.

After speaking for 30 minutes, Manji opened the floor to questions, comments and debate from the audience, working the microphone like a pro, revealing that, apart from the ugliness of some of the reactions to her book, she is also receiving considerable support from young Muslims and Muslim women, including her mother.

"My mother," she finished, "who was and continues to be very nervous about my doing this, says that many women have approached her and told her that it's good that her daughter has done this. She recently confessed to reading the book, and told me, 'You've given me the voice that I've never had.' " ■

Report to document decline in armed conflict

International Week presentation contradicts conventional thought

By Geoff McMaster

Despite the media's relentless focus on recent wars, the number of armed conflicts in the world has actually dropped sharply over the past 10 years, says the director of the Human Security Project.

Pat Leidl of the University of British Columbia's Liu Institute for Global Issues, said that while wars in Iraq, Afghanistan, Serbia and Rwanda have attracted a great deal of attention, some 90 conflicts around the world have come to an end in the past decade. And in addition to a 40-per-cent decline in their numbers, wars are also becoming less lethal, causing fewer total casualties, said Leidl.

Leidl spoke at the University of Alberta Jan. 27 as part of the U of A's International Week activities.

"Most of today's conventional wars are being fought by the U.S. and its allies, and because there is such an immense power imbalance between the U.S. and the countries it's invading, the fighting has been over relatively quickly with very few casualties, comparatively. Position-guided munitions have also reduced casualties," Leidl noted.

While many scholars have claimed the Cold War (1940s to late 1980s) was a time of unprecedented stability, Leidl added, the total number of armed conflicts actu-

ally rose steadily every decade during that period.

"Then something remarkable happened," she said. "Just as the Western media started to worry about the explosion of ethnic violence around the world, the level of global violence started to drop dramatically." Most of the new wars of the past decade have been "in poor countries with low-tech weaponry."

Leidl said her organization will publish these and other findings in the Human Security Report, to be released around the world in May. The 350-page document is the first ever to gather comprehensive data on global violence. Leidl, a former photo editor and artist, said the report will also include a compelling collection of photographs depicting war as "the most tragic of human enterprises."

Some other key findings:

- The number of international terrorist attacks has been declining. However, the number of people killed per terrorist incident, for example in suicide and car bombings, is on the rise. "There is no reason to be complacent...but we should keep things in perspective," said Leidl. "Not only are the numbers of incidents going down, but on average international terrorism has killed well under 1,000 people per year for

the past 20 years. That's less than one per cent of the average number of people killed in wars in the 1990s."

- The societal impact or overall costs of war have declined even more than the number of wars, by about 50 per cent. This includes loss of civilian lives, economic costs as well as the indirect costs of war such as illness, disease and instability.
- The number of genocides and political violence (violence that targets a political group) has dropped sharply, by about 80 per cent between 1990 and 2001.
- International crises, such as the standoff between Pakistan and India over testing of nuclear weapons, are declining.
- Sales of major conventional weapons are declining, although the proliferation of small arms remains a problem, especially in countries fighting civil wars.
- The risk of violence is highest in countries trying to make the transition from authoritarian states to democracies. "Increased political and media freedoms associated with democratization allow demagogues to whip up fear and hatred of their enemies and permit antagonistic ethnic and other communities to mobilize against each other," said Leidl. "But making the transition is worth it, because stable democracies have the lowest risk of war."
- The lower a country's Gross Domestic Product per capita, the higher the risk of war.
- The one exception to the global drop in war is Sub-Saharan Africa, where there is no marked decline in armed violence. Leidl said that while the general decline in armed conflict is difficult to account for entirely, "the best explanation" lies in the end of the Cold War, since the ideological conflicts of some 40 years "sim-

"The U.N. has been under-resourced with lousy mandates, and people who work for them work in a poisonous political atmosphere. But the modest contributions they've made to peace-building and brokering have all added up, and have actually resulted in a significant decrease in armed conflict all around the world."

– Pat Leidl

ply ceased to exist," she said.

"Neither the Russians nor the Americans had any interest in continuing to prop up authoritarian regimes of the left and right in the Developing World, nor in continuing to fund ideologically sympathetic rebel groups. Without external support, many of these rebel groups simply collapsed."

And yet the end of the Cold War provides only a partial answer to these recent trends, Leidl said, perhaps accounting for as little as 10 per cent in the decline of violence. She credits much of the shift to increased intervention on the part of the United Nations, which has become increasingly influential in global peace efforts.

"With the end of the Cold War, the U.N. was no longer hobbled," she said, and so the number of its peacekeeping missions also rose sharply in the past decade.

"The U.N. has been under-resourced with lousy mandates, and people who work for them work in a poisonous political atmosphere. But the modest contributions they've made to peace-building and brokering have all added up, and have actually resulted in a significant decrease in armed conflict all around the world." ■

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to the editor

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Researchers create lung cancer “cluster bombs”

New delivery system heading towards clinical trials

By Ryan Smith

The butcher, the baker and the candlestick maker may be more famous, but the pharmacist, the engineer and the doctor are onto something big.

The latter have combined resources and knowledge to create a novel way to deliver a new lung cancer drug. The new system, which uses “nanoparticle cluster bombs,” has proven effective in treating cancerous lung cells in vitro, as reported in the International Journal of Pharmaceuticals. The research team from the University of Alberta will conduct in-vivo tests early this year, with plans for clinical trials to follow.

“Based on what we’ve been able to do so far, we have practical hopes that a new lung-delivery platform for lung cancer can be established,” said Dr. Raimar Loeenberg, a professor of pharmacy at the U of A.

The three researchers, Loeenberg, Dr. Warren Finlay, a U of A mechanical engineering professor, and Dr. Wilson Roa, a U

of A oncology professor, have applied for a patent on the lung cancer nanoparticle drug-delivery system.

Loeenberg explained that the drug sits in a powder form in an inhaler, which is similar to the device that asthmatics use to inhale medication. However, the difference between regular drugs and “nanoparticle cluster bombs,” Loeenberg said, comes when the powder arrives in the lungs, where it dissolves into nanoparticles upon contact with moisture in the lung – usually mucous.

Each grain of drug powder contains “a few thousand nanoparticles,” Finlay explained. “Once the nanoparticles are active in the lung they have a tremendous advantage over regular drugs, because they are better able to do exactly what we want them to.”

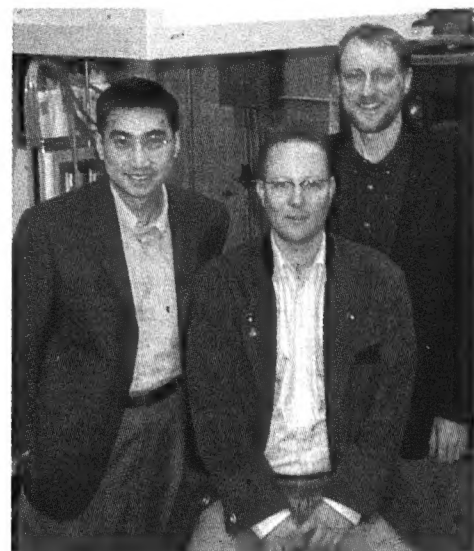
The idea is that the nanoparticles can be ‘programmed’ to seek out and

attack cancer cells, while leaving healthy cells alone.

“This drug and this delivery system have a lot of potential – there are a lot of different things we can do as we’re able to control where and when the nanoparticles release their payload,” said Finlay, who also has a patent pending on a new inhaler to go with the nanoparticle drug platform.

“At this point, we’re excited and encouraged about what we’ve done and what we could do in the future,” Loeenberg said, adding that the progress is due to the interdisciplinary collaboration between experts in three fields.

“This was not the result of one brain, but three,” he said. “At first, when we started working together we didn’t understand each other very well, but now I think we make a pretty good team, and I think we’ve created something that has good potential for a solution to lung cancer.” ■



Dr. Wilson Roa, Dr. Raimar Loeenberg and Dr. Warren Finlay have developed a new lung-cancer drug delivery system that uses nanoparticles to attack cancer cells while leaving healthy cells intact.

Instructors need to be cyber-vigilant

Academic Integrity Week session focuses on plagiarism

By Bev Betkowski

University of Alberta instructors need to link themselves to the cyber world to keep students from taking what isn’t theirs.

Professors were given a crash course on how to spot and stop cyber plagiarism. The session, featuring a panel of four U of A experts, was one of the activities set for the university’s Academic Integrity Week, Jan. 26 – 30. The week featured information sessions each day to recognize integrity and educate against academic misconduct.

Student use of the Internet is widespread in North America, said Mo Engel, an instructor in the U of A Department of English. She keeps a sharp eye out for examples of pirated work, and suggested instructors work with their students to avoid incidents of plagiarism.

“We need to know what students are accessing on the Internet. Instructors need to be as adept at using the Internet as we are at using the library,” she said. Instructors need to ensure students understand how to properly credit work they borrow for their own assignments, Engel told an audience of about 35 people. Not all students deliberately steal work, she added.

“It’s not only an intentional act. A lot of students go for examples...what does a good paper look like?” A U.S. study shows that 73 per cent of students use the Internet

more than they use their libraries, and that figure is applicable in Canada, said Engel. The material is out there for the taking, she added.

An excursion on the Google search engine for free essays turned up 3.8 million hits, she said. Most of these “paper mills” offer from 10,000 - 100,000 papers in all disciplines and on varying topics. Three types of these operations provide cyber cheats with material that varies in quality. The best work comes from pay-per-page sites that charge \$8.95 - \$10.95 per page. Subscription sites, which charge a flat fee, and free sites, which are funded by private advertisers but often ask a student to submit a paper to become a member, offer poorer quality work.

A particular concern is that often students can’t tell what is good work and what isn’t, Engel noted. “Students don’t necessarily have the skills to evaluate what they find. The consequence is, it’s not only good papers that are plagiarized.”

As well, obscure topics that were once unavailable at paper mills are now covered, Engel said. “It used to feel safe in the precise or obscure topics you assigned students. That’s not the case anymore,” she said. Online “discussion boards” where students can exchange information about how and where to access papers are also complicating the issue, she added.

Engel advised her fellow teachers to educate themselves about the issue, then discuss it freely with their classes. “That knowledge will come in through conversations you have with students.” In one case, she had a student who was shocked to realize he’d been plagiarizing work without understanding it had to be credited.

Software packages to detect plagiarism are often imperfect and expensive, and these days, they are also being legally challenged for invasion of student privacy, said Carolyn Guertin, of the U of A Academic Technologies for Learning. “This software is of limited effectiveness,” she said.

They are also an “antagonistic method” of detection, inferring students are cheating. “This can create tension and animosity.” She suggested instructors use tried-and-true methods of detection, such as cross-checking essays, changing the questions each year and giving in-class writing assignments.

Copyright issues are closely related to plagiarism and need to be studied just as carefully, said Lori-Ann Claerhout, who served as a copyright officer for Athabasca University and is currently studying Humanities Computing and English at the U of A.

Often, published material isn’t just there for the taking, but needs to be cleared through the owner of the work, Claerhout

noted. Small “non-substantial” amounts of material can usually be used without risk, but anything more than a few lines needs clearance, she said. Canadian copyright law applies if the user resides in Canada, regardless of where the information originates.

Copyright issues relating to the Internet are complex, she added. “Each country is doing something different,” she said. However, material in the public domain can be used because it has been released from copyright, she added, providing a list of related websites. ■

WEB RESOURCES

The U of A Guide to Plagiarism and Cyber-Plagiarism web page:
www.library.ualberta.ca/guides/plagiarism/index.cfm

The U of A Academic Technologies for Learning website: www.atl.ualberta.ca/

The U of A Truth in Education website:
www.ualberta.ca/STUDENTSERVICES/tie/

Center for the Public Domain website:
www.centerforthepublicdomain.org/

Copyright Board of Canada website:
www.cb-cda.gc.ca/

Sweet harmony for mixed chorus

Club’s endowment doubles

By Bev Betkowski

An endowment fund for one of the University of Alberta’s oldest student clubs has received a \$25,000 boost from its own members, making for some beautiful music.

The University of Alberta Mixed Chorus (UAMC), the oldest non-athletic student club on campus, celebrates its 60th anniversary this year, and thanks to the donation, there’s even more reason to celebrate. The cash, raised by the club’s members over the past two years, has been donated to the Mixed Chorus Conductors’ Endowment. The endowment fund was created in 2002 by the UAMC Alumni Association to help finance the choir’s concert-related costs.

The \$25,000 student contribution to the fund almost doubles its existing balance. To date, funds have been donated by

friends and alumni of the chorus. The hope is to provide \$5,000 a year to the UAMC in perpetuity, and to keep the fund growing.

“This is a ground-breaking gift from a student-driven club,” said Jeff Wright of the U of A development office. “To receive such a significant gift from students is a tremendous display of commitment to ensuring the longevity of the choir.”

The U of A Mixed Chorus was founded in 1944 by Gordon Clark, a medical student. Over the past six decades, the choir, which has included students and staff from every faculty on campus, has been led by seven conductors. Each spring the singers tour communities in Alberta, neighbouring provinces and the United States. The chorus, which features 170 members this year, also performs at Christmas.

The donation gets the endowment

fund well on the way to its ultimate goal of \$100,000, said Darlene Bryant, president of the UAMC Alumni Association. “It certainly makes our job easier,” she said. “It’s a nice partnership between the alumni and the students.”

When the endowment was formed, the UAMC executive wanted to contribute, said Ed Stein, club president. “Mixed chorus has been around for 60 years and we want to make sure that it continues for years to come,” said Stein, a member for four years.

Their contribution reflects the emotional ties the singers have to the UAMC, said Dr. Robert de Frece, who sang as a student in the chorus from 1967 to 1971 before becoming its conductor in 1986. He still holds the position. “Many alumni, when they heard the students themselves raised money for the fund, were touched by that.

The students who are in the choir hold it so important, they want to know future generations will have the joy of singing in this group.”

de Frece, a professor of elementary education at the U of A, met his wife while singing in the chorus and knows that as the UAMC celebrates its 60th anniversary this year, former members will be coming from far and wide to mark the milestone. “Their part in the mixed chorus was one of the most meaningful parts of their time at the U of A, singing great music and making wonderful friends.”

In honour of its 60th year, the U of A Mixed Chorus offers a concert of musical memoirs Saturday, March 6. The 8 p.m. event takes place at the Winspear Centre for Music. Contact the UAMC at 492-9606 or any chorus member for tickets. ■

How to write a novel in three days

Christie Schultz will tell you how – just as soon as she figures it out

By Geoff McMaster

She calls the experience “72 hours of sleep-deprived caffeine-induced near insanity, fueled by optimism, enthusiasm, chocolate and pita bread.” But at the end of it, and not knowing quite how it happened, she had produced her first novel.

Honouring a promise made half in jest last fall, Christie Schultz, a Web content co-ordinator for the U of A’s Creative Services by day, agreed to join her friend in the annual Blue Lake Books 3-Day Novel Contest. She didn’t win the contest but says that was never really the point anyway. Far more important was what she learned about herself during this descent into the fires of creative hell, since she’d only done one creative writing project before, as part of her M.A. thesis in English. And that was a somewhat longer affair.

“I’m of the sort that when I look at projects like this I think, OK, there’s 100 pages to write, and I have three days, so I should aim for just over 30 pages a day, breaking it down into eight hours each day...and I thought I’d have time at the end to luxuriously edit over tea or something – it didn’t really work out that way.”

Although she could have started at 12:01 a.m. Saturday, when the contest officially got underway, Schultz opted instead for a good night’s sleep and made it to her desk by about 11 a.m. that morning, intending to put in a solid eight-hour shift. “I ended up writing until about 1 a.m. Sunday, then editing until 3, sleeping until 6, then getting up Sunday and doing the same thing again.”

Sunday, she confesses, was a “very strange day.” In fact she now has trouble remembering any of it. “If any of the days are completely blurred, it’s that one. But I



U of A Web content co-ordinator Christie Schultz: marathon writing was worth the effort.

kind of hit my stride. Saturday was almost a warm-up day, but Sunday the volume produced (about 50 pages) was something I wouldn’t have ever expected of myself. I

was writing as fast as I could type, except for brief intermissions to drink coffee and trek to Save-On Foods to eat a chocolate muffin.”

She describes her novel as vaguely informed by autobiography but still solidly located in the realm of fiction, which she defines as “events that may or may not have happened to people that may or may not be.”

When the ordeal was over at midnight Monday, Schultz had produced about 86 manuscript pages and was surprised to discover she’d “actually managed to tell a story.” Written in such a state of white-hot intensity, it proved to be surprisingly interesting reading material in retrospect. It was almost like reading someone else’s work, she says.

It’s probably safe to say there aren’t many writers who have tossed off a novel in one day. A great accomplishment to be sure, and yet the feat doesn’t bring Schultz unqualified satisfaction. “It worries me, honestly, when I think about the possibility of writing often. I probably need about a day to completely exhaust myself, and then I can be really productive. I’ve tried it again once since, but it didn’t work out quite as well.”

However the novel has led to further creative ventures. She’s since sent a couple of chapters to creative writing professor Greg Hollingshead, which earned her a seat in his creative writing graduate seminar this term.

“I’d always been terrified to submit writing to professors in the English department, so it was nice to have something to submit that, had it been rejected, I could easily have said, ‘Well, I wrote it in only a day anyway.’” ■

(Ultimate R & R is a new feature in Folio. If you know a U of A employee whose off-duty interests are anything but typical and would make an interesting story, contact geoff.mcmaster@ualberta.ca or richard.cairney@ualberta.ca.)

Lynch named Resource Person of the Year

Dean recognized for innovation, responding to industry demand

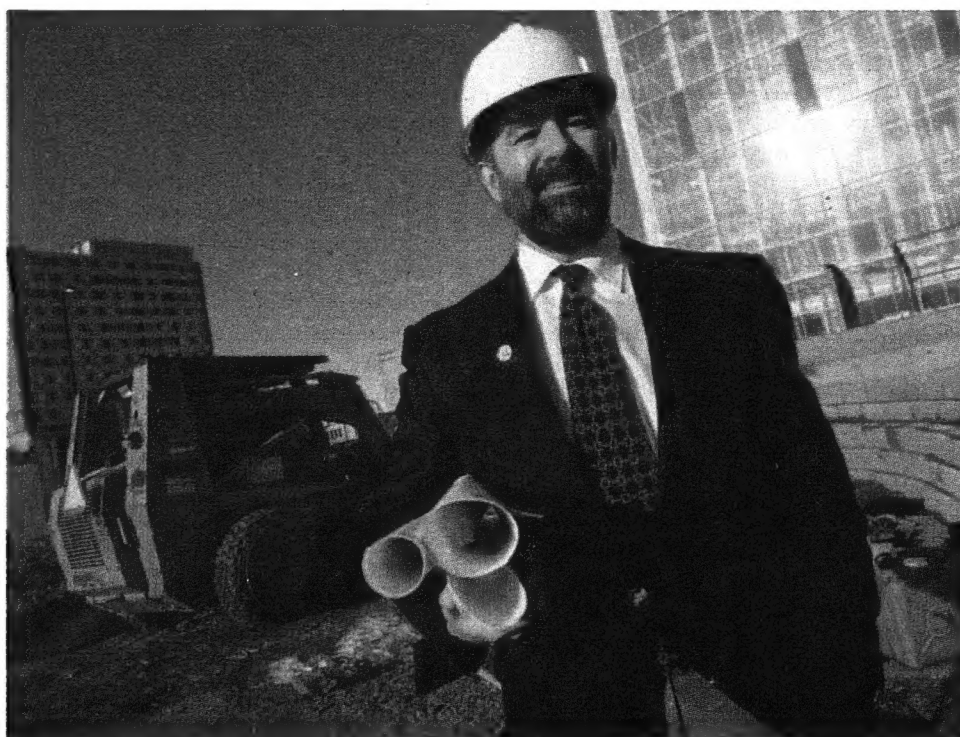
By Sherrell Steele

Dr. David Lynch, Dean of the Faculty of Engineering at the University of Alberta, has been named Resource Person of the Year by the Alberta Chamber of Resources (ACR). This prestigious award acknowledges Lynch’s contributions in building the capacity of technology, research and human resources in Alberta.

More than 500 business leaders and guests attended ACR’s annual award ceremony recently to congratulate Lynch. “The ACR Award brings both personal and professional pride for me and it’s a true honour to accept it,” Lynch said.

“For a public-sector leader to be acknowledged by Alberta’s resource sector for building intellectual capital and economic capacity is no small accomplishment. This award acknowledges the joint responsibility of the Faculty of Engineering and ACR for orderly and responsible development of Alberta’s clean energy natural resources,” Lynch added.

Recognizing growing industry demand and enrolment potential, Lynch accurately forecasted the need to build capacity for engineering graduates and for research. He rose to that challenge through a series of bold initiatives that have resulted in a major expansion of the U of A’s engineering facilities, with commitments from industry and government now approaching \$250 million.



Dr. David Lynch has earned high praise from industry.

New construction includes the Engineering Teaching and Learning Complex, completed in 2002; the Electrical and Computer Engineering Research Facility, completed in 2001 and the Markin/CNRL Natural Resources

Engineering Facility, to be completed in 2004. This infrastructure will provide additional capacity for 1,000 undergraduate and 550 graduate students, will add more than 100 research and teaching laboratories, and will permit a 40-per-cent increase in engi-

neering programs. This puts the Faculty of Engineering’s capacity within the top five per cent in North America.

Lynch also played a key role in securing the right to locate the National Research Council National Institute for Nanotechnology in Alberta. The facilities for the new institute are scheduled for completion in 2005 where nanotechnology-related research will be pursued in such resource-based areas as oil sands processing, catalysis for petrochemical production and advanced materials technology.

“Dr. Lynch stands as a model for the resource sector in Alberta,” said Brad Anderson, executive director of ACR. “His vision and leadership in the public sector are widely noted and supported among our members, who are among the most senior in the energy, resource and technology sector. David’s work is widely admired and it contributes directly to Alberta’s prosperity.”

The Alberta Chamber of Resources represents 170 member corporations, covering the spectrum of Alberta resource development activity and the service and supply sector. ACR is widely recognized as a leading voice for the resource industries. The Chamber provides leadership for the orderly and responsible development of Alberta’s natural resources. ■

Researchers launch first Canadian exercise and breast cancer prevention study

On-campus centre will measure effect of fitness on cancer risk

By Sandra Halme

Alberta scientists have initiated a new research study, the first in Canada and only the second in the world, that they hope will help determine how physical activity reduces breast cancer risk.

Research at the Universities of Alberta and Calgary and the Alberta Cancer Board has conclusively shown that exercise reduces the risk of breast cancer, even in women who start exercising late in life. However, it is not yet understood how this effect works. The results of the three-year study will be used to help develop

guidelines for women on how much and what type of physical activity is needed to reduce their risk of breast cancer.

The Alberta Physical Activity and Breast Cancer Prevention (ALPHA) Trial is a research study that is putting women aged 50 - 74 on a 12-month exercise program, to see what biological changes occur in a woman's body as a result of exercise.

"Our past research has shown that physical activity has a significant effect on breast cancer risk - a 30 - 40-per-cent reduction in risk is common. That's why

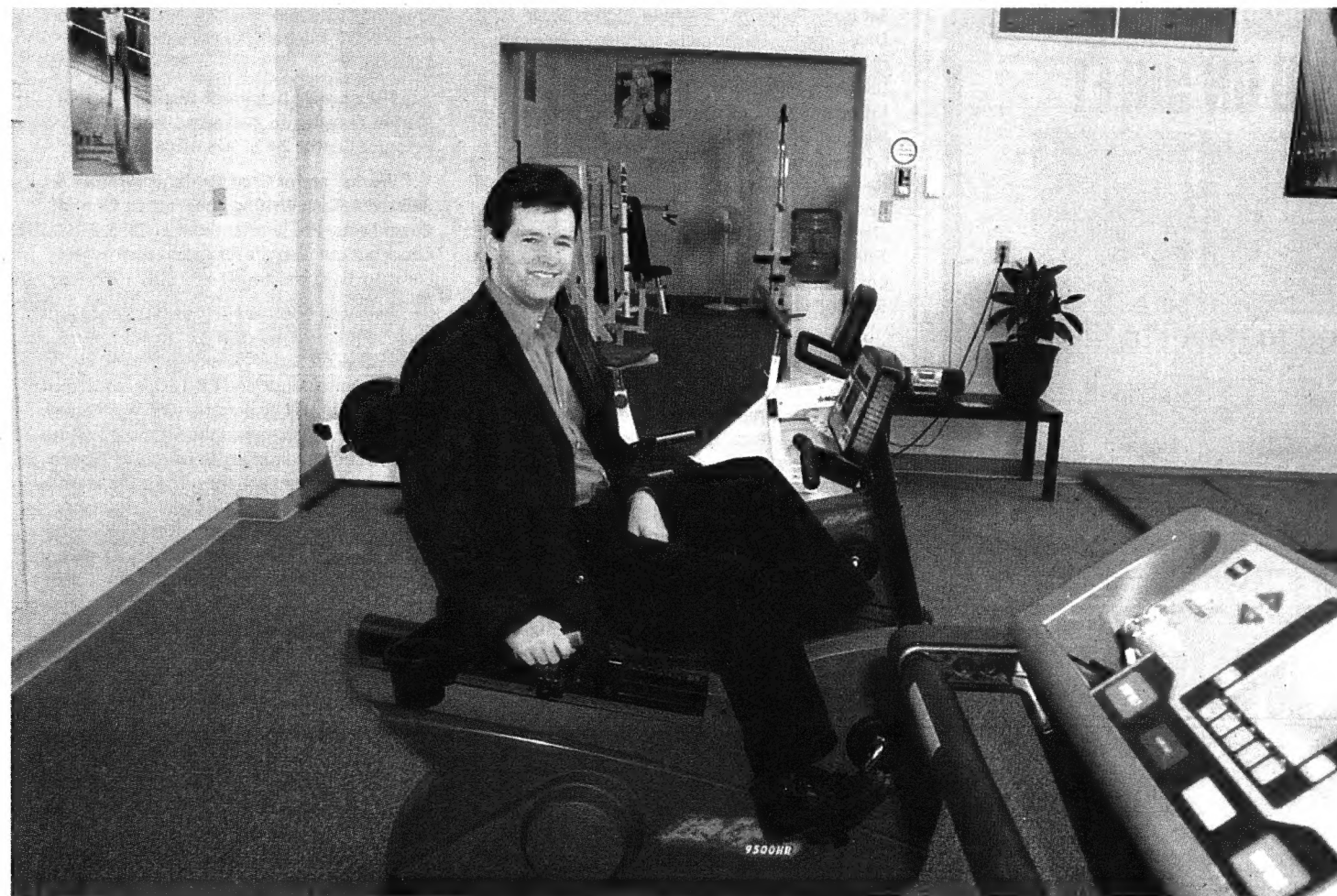
we are now investigating how and why that risk reduction occurs, so we can develop better guidelines for women, and explore what other options exist to prevent breast cancer," said Dr. Kerry Courneya, University of Alberta Faculty of Physical Education and Recreation professor.

"Women in Calgary have already shown a great deal of interest in the study," added Dr. Christine Friedenreich, a medicine professor at the University of Calgary and the Alberta Cancer Board. "This study is appealing because it enables

women to successfully start and stay on an exercise program, and allows them to play a role in advancing breast cancer research at the same time."

Courneya and Friedenreich are co-principal investigators on the ALPHA Trial, which is funded by the Canadian Breast Cancer Research Alliance. Both researchers are supported by the Canadian Institutes of Health Research, the Alberta Heritage Foundation for Medical Research and the Canadian Cancer Society.

The study is recruiting 334 women in Edmonton and Calgary who are between the ages of 50 and 74, who have reached



Dr. Kerry Courneya at the new Alberta Physical Activity and Breast Cancer Prevention (ALPHA) Trial research centre at the U of A's Research Transition Facility.

"Our past research has shown that physical activity has a significant effect on breast cancer risk - a 30 - 40-per-cent reduction in risk is common. That's why we are now investigating how and why that risk reduction occurs, so we can develop better guidelines for women, and explore what other options exist to prevent breast cancer."

- Dr. Kerry Courneya

menopause, who are not taking hormone replacement therapy, and who do not currently exercise. Women in the study will either be put on a 12-month exercise program, or be asked to maintain their usual level of activity for 12 months. The women enrolled in the exercise group will exercise five times per week, assisted by a personal trainer and motivator, who will work closely with each woman to help her meet the exercise goal.

Women interested in participating in the ALPHA Trial should telephone the University of Alberta at (780) 492-8274 or visit the ALPHA Trial website at www.alpha-trial.com.

talks & events

Submit talks and events to Cora Doucette by 3 p.m. Thursday one week prior to publication. **Folio Talks and Events listings will no longer accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in Folio and on ExpressNews at: <http://www.uofaweb.ualberta.ca/events/submit.cfm>.**

UNTIL APR 07 2004

Academic Support Centre Drop-in Study Help. FREE service. Tuesdays 10:30-11:15 a.m., Wednesdays 2-3 p.m. Located in 2-702 SUB. Jan. 24, Feb. 24 & Mar. 30. First come, first served. Come talk to one of our instructors about your study questions! Location: 2-717 SUB.

UNTIL FEB 24 2004

Making it work...Better! (Improving intimate relationships) A 5 week course on improving intimate relationships. Both individuals and couples interested in strengthening romantic relationships are invited to join this 5 session (2hrs/session) workshop. Together we will wonder about communication, how to balance "me" and "us", and other topics of interest to group members. Phone 492-5205 or drop by 2-600 SUB to sign up. Location: Student Counselling Services, 2-600 SUB.

UNTIL MAR 17 2004

Department of English Doing It In the Dark - Conversations About Film. Wed., Mar.3, 3:00 p.m., HCL-3-Ono Okome-"From the Periphery of the Visual Space: The Video Film in Nigeria" Tues., Mar.9, 3:30 p.m., HCL-3-Doug Bell-"Writing (and Acting) on the Verge of a Nervous Breakdown" Wed., Mar.17, 3:00 p.m., HCL-3-Julie Rak-"Fear of a Queer Planet: Watching 'Cat Women of the Moon'(1953)" Location: see above.

UNTIL MAR 24 2004

Social Anxiety & Shyness Group Do you feel ANXIOUS when you are: Public Speaking, meeting strangers, eating in public places, talking to people in authority, participating in class or small groups, speaking to members of the opposite sex or looking at people very well in the eyes? If so, join our social Anxiety & Shyness Group. 8 Wednesdays, 2-4 p.m. Phone 492-5205 or drop by to sign up! Location: Student Counselling Services, 2-600 SUB.

UNTIL FEB 14 2004

Milena Radzikowska: Designing, a Task-Based Web Application This exhibition is the final visual presentation for the degree of Master of Design in Visual Communication Design. The Opening Reception will be held at the Fine Arts Building Gallery on Friday, February 6, 2004, 7:00 p.m. to 10:00 p.m. Regular Gallery hours are from Tuesday to Friday, 10:00 a.m. to 5:00 p.m., and Saturday, 2:00 p.m. to 5:00 p.m. Location: Fine Arts Building Gallery, room 1-1 Fine Arts Building, 112 street and 89 avenue, University of Alberta campus, Edmonton.

UNTIL FEB 14 2004

Vanessa Hall-Patch: Folding Open This exhibition is the final visual presentation for the degree of Master of Fine Arts in Printmaking. The Opening Reception will be held at the Fine Arts

Building Gallery on Friday, February 6, 2004, 7:00 p.m. to 10:00 p.m. Regular Gallery Hours are from Tuesday to Friday, 10:00 a.m. to 5:00 p.m., and Saturdays, 2:00 p.m. to 5:00 p.m. Location: Fine Arts Building Gallery, room 1-1 Fine Arts Building, 112 street and 89 avenue, University of Alberta campus, Edmonton.

FEB 06 2004

School of Library and Information Studies Professional Development Day "Honouring Diversity in our Library Community." The University of Alberta's School of Library and Information Studies is holding its annual Professional Development Day on Friday, February 6th, 2004. This student-organized event welcomes both graduate students at SLIS and practicing professionals from Alberta's library community. Professional Development Day will be held at the University Extension Centre, 8303 112 Street at the edge of the University of Alberta campus. All interested library professionals are welcome. For further information, visit our website at <http://www.ualberta.ca/~lissa1/pdday.htm> or contact the conference co-chairs Margaret Decorby (mdecorby@ualberta.ca) or Alison Faid (faid@ualberta.ca). Location: University Extension Centre 8303 112 Street. 8:00 a.m. - 3:30 p.m.

Department of Sociology Teaching Sociology: A Colloquium Series in the Department of Sociology "A course in sociology: Tactics and

Techniques," featuring Jana Grekul, Graduate Student Teaching Award Winner. Location: Tory 5-15. 11:30 a.m. - 1:45 p.m.

Biology 631 Seminars in Ecology Cliff White will be presenting a seminar on "Humans: a keystone species in long-term Rocky Mountain ecosystem development and recent decline?". Location: Biological Sciences M 141. 12:00 p.m. - 1:00 p.m.

FREE brown bag lunch seminar: Employment Programs & Internships Location: CaPS Resource Centre; 2-100 SUB. 12:00 p.m. - 1:00 p.m.

University Teaching Services Conversations You Don't Want to Have But Need To. This session is based on a project, Difficult Conversations: How to Discuss What Matters Most, developed over 10 years at Harvard. We will go through a concrete, step-by-step approach to preparing for and conducting your most challenging conversations. Whether you have to confront your supervisor or deliver bad news, get ready to face that conversation that you have been avoiding! Presenter: Billy Streen, Physical Education and Recreation. Time: noon - 1:30 p.m. Feb. 6, 2004. Location: Education South 165. Website: www.ualberta.ca/~uts Location: 165 Education Centre. 12:00 PM - 1:30 p.m.

Department of Physiology, Faculty of Medicine & Dentistry "Early Events in Pseudomonas Pathogenesis: Shall We Dance?" Speaker: Dr. Randall T. Irvin, Medical Microbiology and Immunology, U of A. Location: 207 HMRC. 3:00 p.m. - 4:00 p.m.

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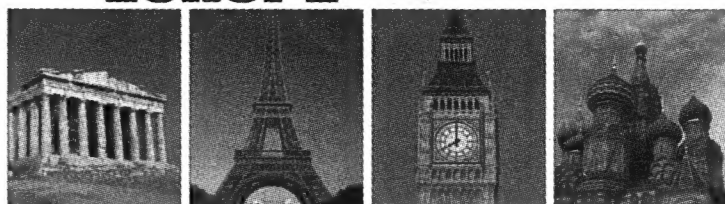
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Molecular Biology and Genetics Group
Seminars Robert Campbell of the U of A
Department of Chemistry will be presenting a
seminar on "Structural and spectral engineering
of fluorescent proteins of use in live cell imaging"
Location: Biological Sciences M 149. 3:30 p.m.

FEB 07 2004

Academic Support Centre Exam Strategies.
10 a.m.-12 noon. \$30. Must pre-register at the
Academic Support Centre, 2-703 SUB. Covers how
to prepare for and take multiple choice, short
answer, essay & problem solving exams. Location:
2-702 Students' Union Building (SUB). 10:00 a.m.
- 12:00 p.m.

Academic Support Centre Dealing with
Test Anxiety. 1-3 p.m. \$30. Must pre-register at
the Academic Support Centre, 2-703 SUB. Covers
causes of test anxiety and effective strategies to
reduce it before & during exams. Location: 2-702
SUB. 1:00 p.m. - 3:00 p.m.

David J. Gifford Memorial Symposium The
Department of Biological Sciences is presenting a
Symposium in memory of Dr. David J. Gifford on
Saturday, February 7. Keynote address by Dr. J.
Derek Bewley, Department of Botany, University
of Guelph and speakers are Dr. Joseph Polacco,
University of Missouri, Dr. Janice King Cooke, Laval
University, and Dr. Christopher Todd, University of
Missouri. All are welcome; please register for the
symposium by e-mail at symposium@biology.ualbe
rta.ca. Following the Symposium, at 6:30 p.m., will
be a dinner at the Royal Glenora Club. If you would
like to attend the dinner, please contact Deanne
Timmons at 492-3310 or by e-mail at deanne.tim
mons@ualberta.ca before February 3. Location: 3-36
Tory Building. 2:00 p.m. - 5:00 p.m.

University of Alberta Opera Scenes Alan Ord,
Director. Please note: All concerts and events are
subject to change without notice. Please call
492-0601 to confirm concert information (after
office hours a recorded message will inform you
of any changes to our schedule). Location: Arts
Building/Convocation Hall. 8:00 p.m.

FEB 08 2004

Music at Convocation Hall William Street,
soprano saxophone R  ger Admiral, piano
Edmonton Saxophone Quartet: Charles Stolte,
alto saxophone Sara Wolkowski, tenor saxophone
Jeffrey Anderson, baritone saxophone Program
will include: Marcel Mihalovici Chant Premier,
Op 103 (1974) (Sonate pour saxophone tenor et
piano) Laurie Radford ...que le terre s'ouvre (2000)
for soprano saxophone and tape Georges-Michel
Bregent Mitzvot en vue de l'omnipresence divine
for amplified saxophone quartet and tape Please
note: All concerts and events are subject to change
without notice. Please call 492-0601 to confirm
concert information (after office hours a recorded
message will inform you of any changes to our
schedule). Location: TBA. 8:00 p.m.

FEB 09 2004

Department of Physiology Structural and
Functional Analysis of the C-Terminal Region
of Human Plasma Chloride/Bicarbonate Anion
Exchanger, AE1. Speaker: Quansheng Zhu, PhD
Thesis Defense, Department of Physiology, U of A.
Location: 207 HMRC. 9:00 - 10:00 a.m.

**FREE brown bag lunch seminar: Can I Take
a Test to Tell Me What to Do With the Rest of My
Life?** Location: CaPS Resource Centre; 2-100 SUB.
12:00 - 1:00 p.m.

Department of Physiology The organization
and function of proteins on the inner surface of
the red cell membrane. Speaker: Dr. Philip S. Low,
Chemistry, Purdue University. Location: 207 HMRC.
3:00 p.m. - 4:00 p.m.

Department of English Peter Bartl and Jane
Merks: "Obsolete Design Becomes Art: the Revival
of Letterpress Printing in North America." After let
terpress became obsolete as a commercial process,
it took on new significance as an artistic expres
sive medium. We will be discussing both the fine
printing craft with its connection to literature and
poetry, continuing the British tradition and the
use of letterpress as self-expression as part of the
artist book and visual poetry. These phenomenon
owe their existence in part to the newest wave of
technology; a reaction of analogue human senses
against the digital onslaught. The works being
shown stem from our recent exhibitions on expres
sive typography, visual poetry and artist books and
our experiences as design educators, as well as our
own work. Location: HC L-1. 4:00 p.m.

FEB 10 2004

**Dept of Agricultural, Food and Nutritional
Science and Dept of Medicine** The neurobiol
ogy of energy balance in obesity. Visiting Speaker
Seminar by Dr. Denis Richard from Laval University.
Seminar is entitled: "The neurobiology of energy
balance in obesity." Location: Classroom F Walter
Mackenzie Centre (2J4.02). 11 a.m. to noon.

**FREE brown bag lunch seminar: Looking for
Work Abroad** Location: CaPS Resource Centre;
2-100 SUB. 12:30 p.m. - 1:30 p.m.

**Science and Religion, St. Joseph's
College** Visiting Speaker: Dr. Owen Gingerich,
Senior Astronomer Emeritus at the Smithsonian
Astrophysical Observatory and Research Professor
of Astronomy and of the History of Science at
Harvard University, presents: "Truth in Science:
Proof, Persuasion, and the Galileo Affair." Location:
CAB 239. 2:00 - 3:15 p.m.

Master of Music Recital: Eleni Pappa, piano
Please note: All concerts and events are subject
to change without notice. Please call 492-0601
to confirm concert information (after office
hours a recorded message will inform you of any
changes to our schedule). Location: Arts Building/
Convocation Hall. 8:00 p.m.

FEB 11 2004

**Dept of Public Health Sciences-PHS Grand
Rounds** Guest Speaker: Dr Nyitor "Alex" Shenge,
Visiting Scholar, University of Ibadan, Nigeria
"Psychosocial Determinants of Motor Vehicles
Crashes in Ibadan Metropolis, Nigeria" Location:
Room 2-117, Clinical Sciences Building. 12:00 -
1:00 p.m.

**FREE brown bag lunch seminar: Labour
Market Trends and Research** Location: CaPS
Resource Centre; 2-100 SUB. 12:00 - 1:00 p.m.

**Workshop for Grad Students (Science &
Related Areas): Writing an Effective CV and
Cover Letter** Pre-register today at CaPS, 2-100 SUB.
Check out our web site for details such as fees.
Location: CaPS classroom; 4-02 SUB. 1:30 - 3:30 p.m.

Hear's to Your Health Concert Series A free
chamber music concert, in the "Hear's to your
Health Concert Series", jointly sponsored by the
Department of Music and the Faculty of Medicine
and Dentistry, will be presented on Wednesday,
February 11 at 5:00 pm, in the first floor foyer to
Bernard Snell Auditorium, University of Alberta
Hospital, 112 Street entrance. The program will
include works by Poulenc, Rossini, Schumann
and Beethoven. World class musicians from the
Department of Music Tanya Prochazka, cello and
Janet Scott-Hoyt, piano with special guest artist
from France, Michel Lethiec, clarinet, will perform.
For more information contact: Gladys Odegard
487 - 4188 gladysco@shaw.ca Location: Foyer to
Bernard Snell Auditorium, University of Alberta
Hospital, 112 Street entrance. 5:00 p.m.

**University of Alberta Symphonic Wind
Ensemble** William H Street, Director. Please note:
All concerts and events are subject to change with
out notice. Please call 492-0601 to confirm concert
information (after office hours a recorded message
will inform you of any changes to our schedule).
Location: Arts Building/Convocation Hall. 8:00 p.m.

FEB 12 2004

**FREE brown bag lunch seminar: Cover
Letters & Other Work Search Letters** Location:
CaPS Resource Centre; 2-100 SUB. 12:30 - 1:45 p.m.

Renewable Resources Seminar Dr. Doug
Pitt (Canadian Forest Service, Great Lakes Forestry
Centre) will present a seminar entitled: Intensive
silviculture in the Maritimes-Some pictures and
notes from a recent visit. Location: Earth Sciences
Building Room 2-36. 12:30 - 2:00 p.m.

**Workshop for Graduate Students (Arts &
Related Areas): Writing an Effective CV and
Cover Letter** Pre-register today at CaPS, 2-100 SUB.
Check out our web site for event details such as
fees. Location: CaPS classroom; 4-02 SUB. 1:30 -
3:45 p.m.

FEB 13 2004

Department of Biological Sciences Biology
631 Seminars in Ecology. Maya Evenden will be pre
sented a seminar on "Exploitation of intraspecific
chemical communication in arthropods: signalers,
receivers and competitors". Location: Biological
Sciences M 141. 12:00 - 1:00 p.m.

**FREE brown bag lunch seminar: Get It
Together: Building a Foundation for a Successful
Work Search** Location: CaPS Resource Centre;
2-100 SUB. 12:00 - 1:00 p.m.

Rural Economy Seminar Daniel Monchuk,
PhD Candidate, Department of Economics, Iowa
State University, "Spatial Labor Markets and
Technology Spillovers - Analysis from the US
Midwest". Location: 550 General Services Building.
2:30 p.m.

Literacy Research Seminar Dr. Andr   Grace
from Educational Policy Studies and the Centre
for Research on Literacy Research Fellow 2004
Presents "Researching Queer - Queering Research:
Researcher Positionalities and the Practice of Queer
Research" Location: 651a Education South. 3:00 -
4:00 p.m.

FEB 14 2004

Faculty and Friends Aaron Au, violin Russell Whitehead, trumpet Janet Smith, soprano Marnie Giesbrecht, organ Sylvia Shadick-Taylor, piano Georg Friedrich Handel Let the Bright Seraphim Roger Deegan *Prairie Scenes for trumpet and piano (2002) Peter Tiefenbach Opening Day for soprano, trumpet and organ (1991) Eric Ewazen Trio for trumpet, violin and piano (1992) *Commissioned through The Alberta Foundation for the Arts Please note: All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information (after office hours a recorded message will inform you of any changes to our schedule). Location: Arts Building/ Convocation Hall. 8:00 p.m.

FEB 17 AND 18, 2004

Choices Conferences 2004 The Choices Conferences is an exciting event that involves 600 Grade 6 girls and their teachers in hands-on experiences in the fields of science and engineering. The purpose of Choices is to encourage young girls to think of science and engineering as something that they can do and as something that they would enjoy doing. The students take part in two hands-on lab activities that are led by university volunteers, take part in a group challenge and marvel at Dr. Margaret-Ann Armour's chemistry magic. From 9:00 a.m. to 3:00 p.m. (both days). Location: CAB.

positions

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons. With regard to teaching positions: All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. For complete U of A job listings visit www.hrs.ualberta.ca

UTILITY SERVICES MANAGER, HEATING PLANT

The University of Alberta's vision is to be indisputably recognized in teaching, research and community service, both nationally and internationally, as one of Canada's finest universities and amongst a handful of the world's best. With 8,000 staff and over 32,000 students, the university is one of the largest and most advanced full-service universities in Canada.

The university owns and operates a District Energy System in the greater campus area that supplies utilities on a cost recovery basis to the university, the University of Alberta Hospitals, the Cross Cancer Institute, the Jubilee Auditorium, and other smaller entities across the campus. The utility system is anchored by the heating plant and a cooling plant, with an extensive, fully serviced underground corridor system that connects the plants to all facilities.

Reporting to the director, utilities, the utility services manager, heating plant is accountable for the reliable and efficient operation of the Heating Plant on a 24-hour basis, and the delivery of all utilities including steam, condensate, compressed air, demineralized water, and electrical generation to customers in the greater campus area. The manager ensures adequate resources in terms of manpower, skills, training and funding are in place for the heating plant to enable it to effectively meet its mandates.

This position requires excellent leadership and management skills and a proven track record of effectively managing and developing a large, multi-cultural unionized workforce within a demanding and complex plant environment. You will have excellent interpersonal and relationship building skills to successfully communicate, manage expectations and obtain buy-in from a variety of stakeholders, while also effectively managing financial resources in a fiscally responsible manner.

As an ideal candidate, you possess a First Class Power Engineers Certificate and relevant post secondary education and experience. You are well versed in and able to apply all codes and regulations pertaining to: the construction and operation

FEB 18 2004

Educating Global Citizens Open lecture for graduate students by Dr. Nel Noddings, Professor of Education, Emerita, Stanford University and author of the book Happiness and Education. Refreshments provided Location: Room 456 Education South. 7:00 p.m. - 8:30 p.m.

FEB 19 2004

Caring and Moral Education Open lecture for graduate students by Dr. Nel Noddings, Professor of Education, Emerita, Stanford University, and author of the book Happiness and Education. Continental breakfast provided. Location: Room 456 Education South. 9:00 - 10:30 a.m.

FEB 20 2004

John Dossetor Health Ethics Centre Health Ethics Seminars: Privacy vs. Practicality: Discussion of Alberta's New Provincial Electronic Health Record. Presenters: Richard C. Fraser, QC, LLB University of Alberta, LLM London School of Economics, Adjunct Assistant Professor, John Dossetor Health Ethics Centre and Glenn Griener, PhD, Associate Professor, John Dossetor Health Ethics Centre, Department of Public Health Sciences and Department of Philosophy, University of Alberta. Location: 207 Heritage Medical Research Centre. Time: 12:00 to 1:00 p.m. Website: www.ualberta.ca/bioethics Location: 207 Heritage Medical Research Building. 12:00 - 1:00 p.m.

of a first class high pressure heating/power plant; Occupational and Environmental Health and Safety; and Alberta Environmental Protection. Knowledge of plant/system planning, construction, commissioning, and supervision are key assets. You are also able to formulate, administer and audit budgets and have strong computer skills.

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To become a member of the university's team, send your résumé by February 20, 2004 to Ms. Elizabeth Hurley or Mr. Anurag Shourie at Davies Park, 904 Oxford Tower, 10235-101 Street, Edmonton, Alberta, T5J 3G1 or fax at (780) 426-2936; or e-mail: careers@daviespark.com. Visit www.daviespark.com for a detailed Opportunity Profile.

DIRECTOR SCHOOL OF LIBRARY AND INFORMATION STUDIES

The Faculty of Education, University of Alberta, invites applications and nominations for the position of director of the School of Library and Information Studies. The school consists of nine full-time faculty. Currently there are 100 full-time and part-time graduate students within the school.

The successful candidate should have strong academic qualifications, demonstrated leadership and management qualities and a strong commitment to excellence in teaching and research. The incumbent is a candidate.

The appointment will normally be for a five-year term, commencing July 1, 2004 or as soon as possible thereafter. The application deadline is February 16, 2004. Applicants for the position should submit a current curriculum vitae, and names of three referees to:

Dr. Larry Beauchamp, Dean
Faculty of Education
University of Alberta
845 Education South
Edmonton, AB T6G 2G5

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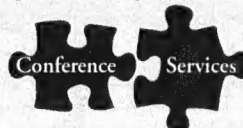
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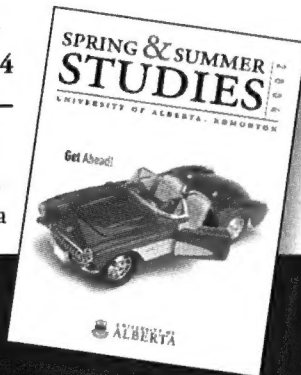
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notices

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COMMUNITY OF WINDSOR PARK THERMAL ENERGY STORAGE FACILITY INFORMATION SESSION

February 10, 2004
7:00 - 9:00 p.m.
Lister Hall - Glacier Room
87 Ave and 116 Street

Please join us to review the progress of the new thermal energy storage facility for chilled water storage. This unit will be constructed north of the Cross Cancer Institute and east of the South Field Car Park. The existing chilled water distribution system has reached its capacity and the new system will meet the growing needs of the major partners in the Greater Campus area - the University, the Walter MacKenzie Health Sciences Centre, the Jubilee Auditorium, and the Cross Cancer Institute.

A presentation will take place at 7:30 p.m. followed by a question and answer segment. University staff will be on hand to answer questions and gather your thoughts.

Your participation is important and we hope to see you there. If you are unable to attend please refer to our website at www.ualberta.ca/consult for information regarding the thermal energy storage facility.

For more information please contact
Emily Rowan, Office of Public Affairs
689 General Services Building
University of Alberta, Edmonton, AB
T6G 2H1
Phone: (780) 492-3024
Fax: (780) 492-2997
e-mail: emilyp.rowan@ualberta.ca

CHAIR REVIEW COMMITTEE: FACULTY OF ARTS

Professor Jan Selman's first term as Chair of the Drama Department will end on June 30, 2004, and she has indicated her intention to seek a second term in office. In accordance with University regulations a Review Committee has been established.

An open Public Forum with Professor Selman has been scheduled for 5 p.m. Wednesday, February 25 (Timms Centre 111), at which Professor Selman will discuss her vision for the future direction of the Department.

The Review Committee invites comments from members of the University community on the state of the Drama Department under the leadership of the current Chair. Comments should be addressed to Daniel Woolf, Dean of Arts, 6-33 Humanities, and reach the Dean's Office by March 6.

ELECTRICAL & COMPUTER ENGINEERING CHAIR SELECTION COMMITTEE INVITES INPUT

A Chair Selection Committee for the Department of Electrical & Computer Engineering has been established. Suggestions and comments to this committee are to be made before Wednesday, February 18, 2004, by writing to Dr DT Lynch, Dean, Faculty of Engineering, E6-050 Engineering Teaching & Learning Complex.

REVIEW COMMITTEE FOR THE CHAIR OF THE DEPARTMENT OF MARKETING, BUSINESS ECONOMICS & LAW

A Review Committee for the Chair of the Department of Marketing, Business Economics & Law, University of Alberta School of Business, has been established. The incumbent, Dr. Richard Johnson, has agreed to stand for another term. In

accordance with GFC regulations, the Committee is soliciting comments/suggestions. All correspondence should be sent to Michael B. Percy, Dean, School of Business, 4-40 Business Building.

NOMINATIONS FOR 3M TEACHING FELLOWSHIPS SOUGHT

Nominations for 3M Teaching Fellowships are now being accepted. The fellowships are awarded by the Society for Teaching and Learning in Higher Education and 3M Canada Inc. Any individual teaching at a Canadian university (regardless of discipline or level of appointment) is eligible. An exclusive three-day (6-8 November 2004), all expense paid retreat at Le Chateau Montebello is the main component of the award.

Up to 10 awards are given annually. The University of Alberta has received 23 awards during the 18-year existence of the national 3M Teaching Fellowships Program.

Nomination information is available at University Teaching Services, 215 Central Academic Building, 492-2826 or at the following websites: www.tss.uoguelph.ca/stlhe or www.mcmaster.ca/3Mteachingfellowships/

Deadline is March 5, 2004.

CHAIR REVIEW COMMITTEE: FACULTY OF ARTS

Dr. Rosalind Sydie's first term as Chair of the Sociology Department will end on June 30, 2004, and she has indicated her intention to seek another term in office. In accordance with University regulations a Review Committee has been established.

The Review Committee invites comments from members of the university community on the state of the Sociology Department under the leadership of the current Chair. Comments should be addressed to Kenneth Munro, Associate Dean of Arts, 6-33 Humanities, and reach the Faculty Office by February 16.

BOARD OF GOVERNORS AWARD OF DISTINCTION

Nominations are being sought for volunteers who have made exceptional contributions in linking the university with the broader community. A volunteer from each of the academic staff, support staff and general public will be recognized with an award. Nomination deadline is May 3, 2004. Please visit ualberta.ca/governors/distinction or call 492-4951 for information.

laurels

The Office of the Vice-President (Research) takes pleasure in announcing the 2004 Laureates of the J Gordin Kaplan Award for Excellence in Research

R Chris Bleackley, Professor of Biochemistry, Department of Biochemistry
Faculty of Medicine and Dentistry, and
Miriam Stewart, Professor
Nursing and Public Health Sciences
Faculty of Nursing

The Awards Ceremony will be held Tuesday, March 2, 2004 at 3:30 pm, Timms Centre for the Arts. Reception will follow. Everyone is welcome.

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465-5271

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438-2355

9128 - 51 Ave.
438-5114

South Edmonton Common
485-9812

South Edmonton Common
(inside Superstore)
701-3355

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702-6001

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9004 - 112 St.
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West Edmonton Mall Phase I
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BEYONDESIGN

Design students forced to take extra step in communications assignment

By Richard Cairney

You're reading this newspaper for a variety of reasons. Chances are you work at the University of Alberta. Perhaps you're a student, an alumni or a donor and you care about what goes on in this community. But this paper has also wound up in your hands because the folks who put it together wanted it to.

That's the trick about communicating with people: you need to know who they are and what their interests are. That's the idea behind a unique course offered to fourth-year art and design students at the U of A.

In 1995-96, Jorge Frascara was awarded a McCalla Research professorship which allowed him to pursue an area of study

for a full year. He focussed his attention on the problem of communicating ideas with social impact, of coming up with graphic designs that do more than sell products to consumers.

A professor of visual communications design, Frascara emerged from his year of research with, among other benefits, a unique assignment for fourth-year students: research an issue of environmental concern and develop a way of communicating solutions to that problem to a specific audience in an appropriate way.

It's difficult, for example, to ask people to recycle paper using a poster that is not printed on recycled paper.

"We allow them to choose a prob-

lem...sometimes they go to a very microscopic level, like saving and recycling plastic bags, to things like transportation in the city," Frascara said of campaigns the students have launched. "The problems are things which the students have an interest in or experience with."

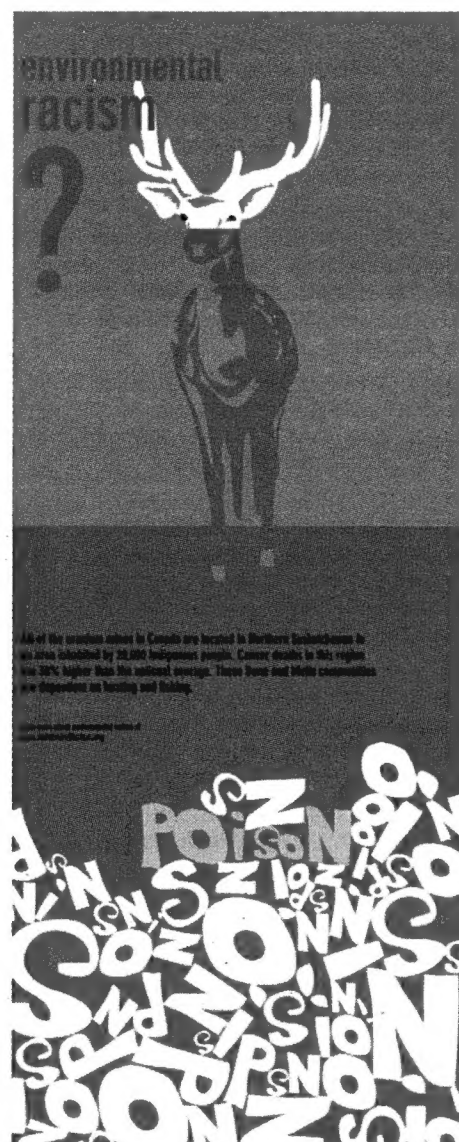
Design professor Sue Colberg says the assignments force students to look holistically at an awareness campaign, not simply at design. They are required to learn about the audience and figure out how to best communicate with them. A flyer, for example, can be mailed only to selected postal code areas. Posters need to be strategically placed to be effective. The same applies

to other media, like billboards.

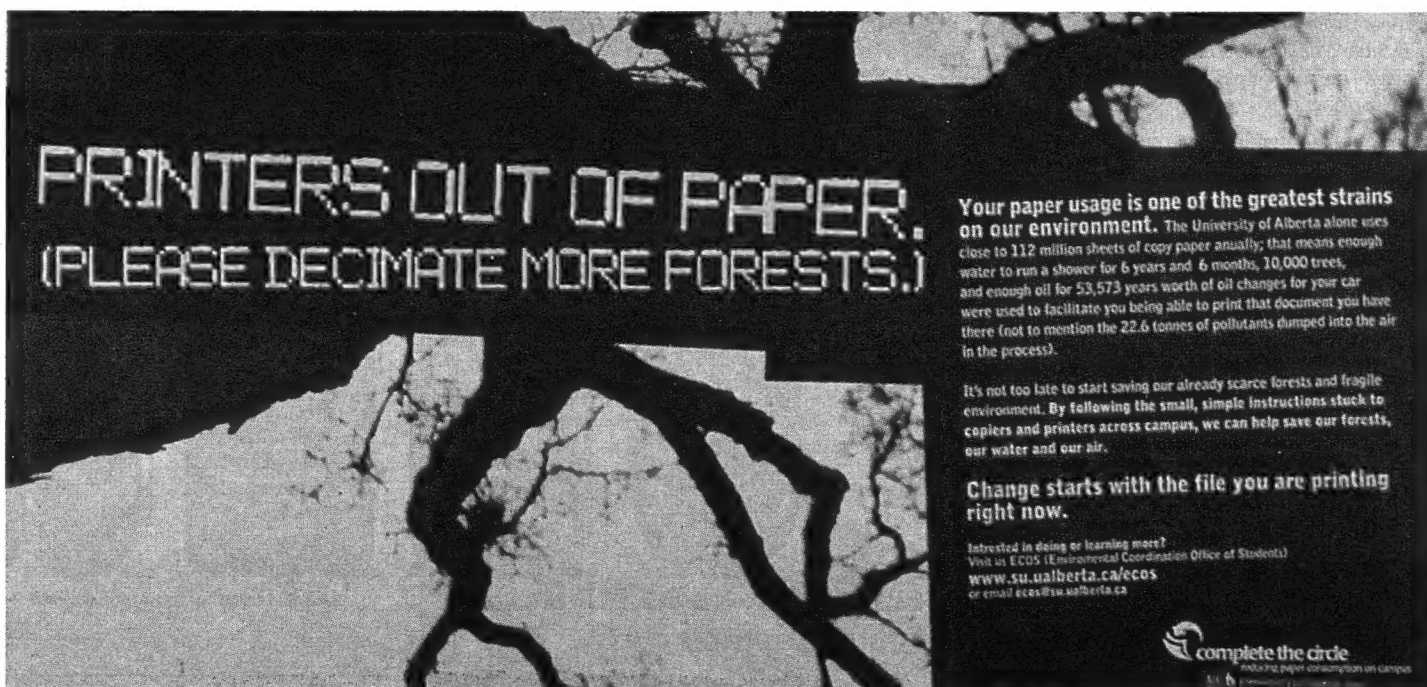
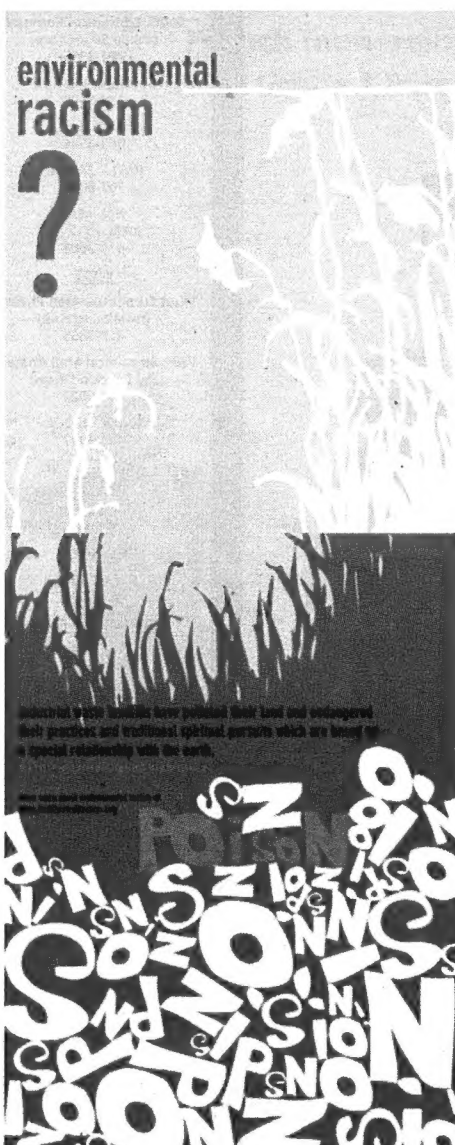
"We want them to act proactively. We want to educate them rather than train them, so when they are dealing with a client they can counter-propose to the client," said Frascara. "We encourage them to think of themselves as working in a partnership with clients." ■



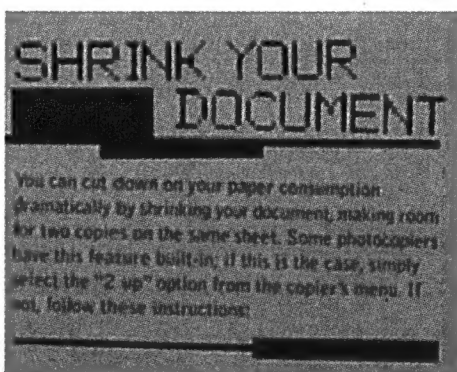
Christian Dendy and Ceilidh Tee's billboards were aimed at homeowners.



Chul-Ahn Jeong's 'environmental racism' posters raised awareness of industry's impact on Aboriginal communities.



Jayme Haskey and Ian Craig's campaign, above and below, persuaded university students to use less paper while copying on campus.



folio **back** *page*